

Authorized Exclusive Distributor



## Z1-Proud

3-axis handheld stabilizing  
gimbal for GOPRO

# Instruction Manual

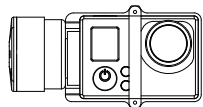
Manufactured by Zhiyun Tech



V1. 00

## Package Content

|                                   |   |
|-----------------------------------|---|
| 3-axis handheld camera stabilizer | 1 |
| Camera Holder                     | 1 |
| M2.5x 9mm Thumb Screw             | 2 |
| M2.5x19mm Thumb Screw             | 2 |
| Gopro Charging Wire               | 1 |
| 18650 Lithium-ion Battery Charger | 1 |
| 18650 Lithium-ion Battery         | 2 |
| Micro USB Charger Cable           | 1 |
| Warranty Card                     | 1 |
| Certificate                       | 1 |
| User's Manual                     | 1 |



### Note:

Install the GOPRO  
before connecting power.

Camera Holder

Gopro3

To use the M2.5x9mm Thumb  
Screw for GOPRO only.

Camera Holder

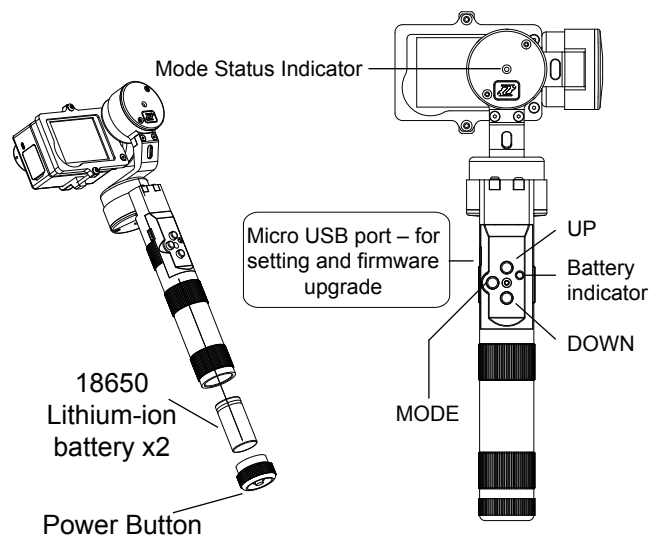
Gopro3

Gopro LCD BacPac

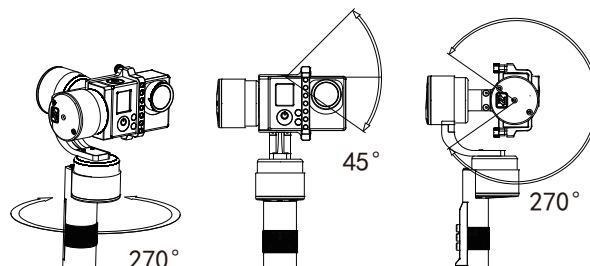
Camera Charging port

To use the M2.5x19mm  
Thumb Screw for GOPRO  
with LCD BacPac.

1



### Different Rotation Angle



2

## Different Modes Instruction

- Heading Following Mode (Default): Pitch and roll are locked. Heading rotates smoothly follow the direction of the handheld.
- Locking Mode: Heading, pitch and roll are locked.
- Heading and Pitch Following Mode: Roll is locked. Heading and pitch rotate smoothly follow the direction of the handheld.

### Buttons and Modes Instruction

| Working Mode                     | Mode Indicator | Down/Up Button   |
|----------------------------------|----------------|------------------|
| Heading Following Mode           | Blink slowly   | Pitch adjustment |
| Locking Mode                     | Light up       | Pitch adjustment |
| Heading and Pitch Following Mode | Blink quickly  | Roll adjustment  |

### Battery Indicator Instruction

| Battery Indicator Status | Description |
|--------------------------|-------------|
| Blink 4 times            | 100% Power  |
| Blink 3 times            | 75% Power   |
| Blink 2 times            | 50% Power   |
| Blink 1 times            | 25% Power   |

Note: If the battery indicator blinks continually, the battery is out of power. Please charge the battery as soon as possible.

## Operation:

- Power Switch : Install the battery and press the power button, the stabilizer will in standby mode after five seconds. Press the power button again to cut off power.
- On/Off : After connecting to power, long press "MODE" for 1 second to switch standby mode/ working mode.
- Mode Switch : In working mode, press "MODE" to switch Heading Following Mode/ Locking Mode. Press "MODE" 2 times to turn on Heading and Pitch Following Mode; press "MODE" again to turn on previous mode.
- Angle Adjusting : User can adjust the pitch/roll angle through UP / DOWN buttons.
- Calibration : calibrate the gyro and accelerator if: 1. Horizontal angle offset; 2. Operate again after a long time; 3. Transit the device under different temperature.

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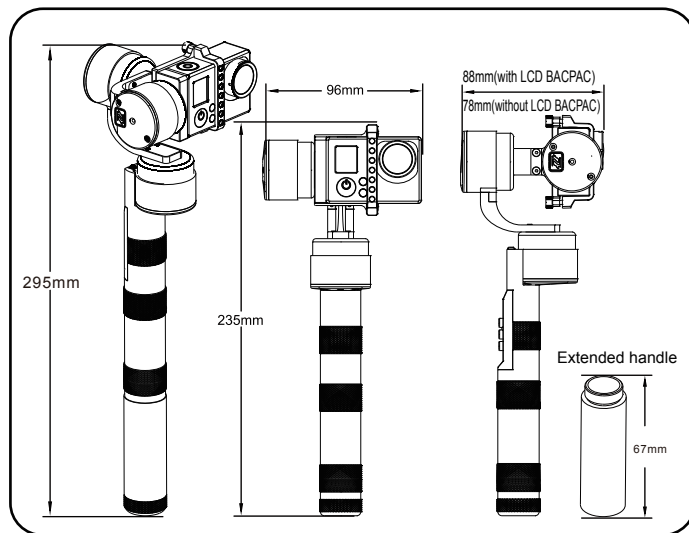
## Specification:

|                              | minimum | standard | maximum | Note                       |
|------------------------------|---------|----------|---------|----------------------------|
| Working Voltage              | 6.8V    | 8.4V     | 12.6V   |                            |
| Working Current              | 50mA    | 120mA    | 2A      |                            |
| Follow Accuracy(Motionless)  | ±0.01°  |          | ±0.04°  |                            |
| Follow Accuracy(Motion)      | ±0.1°   | ±0.2°    | ±0.5°   |                            |
| Tilt Working Angle           | -90°    | 0°       | +180°   | Vertical handheld          |
| Roll Working Angle           | -45°    | 0°       | +45°    |                            |
| Heading Working Angle        | -135°   | 0°       | +135°   | Vertical handheld          |
| Heading Working Angle        | -45°    | 0°       | +45°    | Leveled handheld           |
| Tilt Speed                   | 1°/S    |          | 50°/S   |                            |
| Heading Speed                | 1°/S    |          | 80°/S   |                            |
| Battery Operation Time(25°C) | 7h      | 10h      | 12h     | 2000mAh×2                  |
| Operation Temperature        | -20°C   | 25°C     | 45°C    |                            |
| Weight                       |         | 335g     |         | without battery and camera |

### Note:

Please don't operate the handheld gimbal over working range; the handheld gimbal would be in self-protection mode, and the operation would be effected.

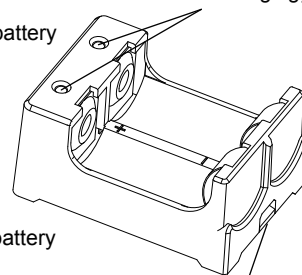
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Charger indicator  
(The signal will show green once finish charging)

## Rechargeable Battery

Battery type: 18650 Lithium-ion battery  
Capacity: 2000mAh  
Charge Time: 3 hours



### Note:

For connecting power to 18650 battery charger, please prepare portable charger, or connect to a USB port of PC.

Micro USB 5V  
power input port

④

This device has been calibrated by the manufacturer. Warranty void if disassemble any components.

We reserve the right of final explanation and revision of the instruction manual. For the latest version, please refer to official website.

For user instruction, firmware upgrade, and more information:

[www.zhiyun-tech.com](http://www.zhiyun-tech.com)

Authorized Exclusive Distributor  
**Standard Tech Operation**

Manufactured by Zhiyun Tech



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